

Appendix 5A

Modeling Technical Appendix

This appendix presents the modeling approach used for the Delta Conveyance Project, assumptions used, and the results obtained. Sections A through F (shown in bold) and the attachments to Sections B, C, D, and E are provided as individual files.

- **5A-A, Appendix 5A, Section A Modeling Technical Appendix — Modeling Overview**
- **5A-B, Appendix 5A, Section B Modeling Technical Appendix — Hydrology and Systems Operations Modeling**
 - Appendix 5A, Section B, Attachment 1—*CalSim 3 State Water Project and Central Valley Project Contract Assumptions*
 - Appendix 5A, Section B, Attachment 2—*CalSim 3 Regulatory Assumptions and State Water Project/Central Valley Project Operations Criteria*
 - Appendix 5A, Section B, Attachment 3—*CalSim 3 Model Results for Existing Condition and Alternatives at 2020*
 - Appendix 5A, Section B, Attachment 4—*Climate Change Development for Delta Conveyance Project*
 - Appendix 5A, Section B, Attachment 5—*CalSim 3 Model Results for No Project Alternative and Alternatives at 2040*
- **5A-C, Appendix 5A, Section C Modeling Technical Appendix — One Dimensional Delta Hydrodynamics and Water Quality Modeling Results**
 - Appendix 5A, Section C, Attachment 1—*DSM2 Model Results for Existing Condition and Alternatives at 2020*
 - Appendix 5A, Section C, Attachment 2—*DSM2 Model Results for No Project Alternative and Alternatives at 2040*
- **5A-D, Appendix 5A, Section D Modeling Technical Appendix — Water Temperature Modeling Results**
 - Appendix 5A, Section D, Attachment 1—*HEC-5Q Model Results for Existing Condition and Alternatives at 2020*
 - Appendix 5A, Section D, Attachment 2—*HEC-5Q Model Results for No Project Alternative and Alternatives at 2040*
- **5A-E, Appendix 5A, Section E Modeling Technical Appendix — SALMOD and Egg Mortality Models**
 - Appendix 5A, Section E, Attachment 1—*SALMOD Model Results for Existing Condition and Alternatives at 2020*
 - Appendix 5A, Section E, Attachment 2—*Martin and Anderson Model Results for Existing Condition and Alternatives at 2020*

- 1 ○ Appendix 5A, Section E, Attachment 3—*SALMOD Model Results for No Project Alternative and*
2 *Alternatives at 2040*
- 3 ○ Appendix 5A, Section E, Attachment 4—*Martin and Anderson Model Results for No Project*
4 *Alternative and Alternatives at 2040*
- 5 ● **5A-F, Appendix 5A, Section F *Modeling Technical Appendix — Sea Level Rise and Delta***
6 ***Water Quality Modeling***